

Amendments to the Claims

1. (Cancelled).

2. (Cancelled)

3. (Cancelled)

4. (Currently Amended): A ball sizer for a paint-ball gun, comprising:

a bore, the bore having an entrance and an exit;

the entrance to the bore having a chamfer; and,

the chamfer having a smooth transition from the entrance to the bore of the sizer,

where the smooth transition of the chamfer comprises a first part defining a straight line; and a second part defining a curve; and,

where the outer diameter of the ball sizer is substantially constant from the entrance to the exit.

5. (Original): The ball sizer of claim 4 where the curve of the second part defines a section of a parabola.

6. (Original): The ball sizer of claim 4 where the curve of the second part defines a section of a circle.

7. (Cancelled).

8. (Cancelled):

9. (Canceled)

10. (Currently Amended): A ball sizer for a paint-ball gun, comprising:
a bore, the bore having an entrance and an exit;
the exit to the bore having a chamfer; and,
the chamfer having a smooth transition from the bore to the exit of the
sizer,
where the smooth transition of the chamfer comprises a first part defining a
straight line; and a second part defining a curve; and,
where the outer diameter of the ball sizer is substantially constant from the
entrance to the exit.

11. (Original): The ball sizer of claim 10 where the curve of the second part
defines a section of a parabola.

12. (Original): The ball sizer of claim 10 where the curve of the second part
defines a section of a circle.

13-21. (Withdrawn)

22. (New): A ball sizer for a paint-ball gun, comprising:
a bore, the bore having an entrance and an exit;
the entrance to the bore having a chamfer; and,
the chamfer having a smooth transition from the entrance to the bore of the
sizer;
the exit from the bore having a chamfer; and,

the chamfer having a smooth transition from the bore of the sizer to the exit,

where the smooth transitions of the chamfer comprise a first part defining a straight line; and a second part defining a curve; and,

where the outer diameter of the ball sizer is substantially constant from the entrance to the exit.